

THE NEW NAMES IN J. HERMANN'S *TABULA
AFFINITATUM ANIMALIUM.*

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IN 1783 Johann Hermann,* Professor of Natural History at the University of Strassburg, published a rather voluminous work entitled *Tabula Affinitatum Animalium*,† in which an attempt at a natural classification of vertebrates is made.‡ The birds are dealt with on pp. 131 to 235.

Hermann was exceedingly well acquainted with the scientific literature of his time, and it might almost be said that his knowledge of birds was principally derived from the works of his predecessors in ornithology. Among the books quoted by him, Buffon's *Histoire Naturelle des Oiseaux*, 1770-9,§ stands in the foremost rank. As every ornithologist knows, in that great work many representatives of tropical bird-life were for the first time characterized under French vernacular names. Hermann, an adherent of Linné's binomial system, thought it advisable to propose for a good number of these novelties generic and specific terms in the Latin language which are perfectly valid under existing rules, each being accompanied by a reference to the particular species or group in Buffon's work for which the new scientific term was intended. Some of these names have undoubted priority over others in current use. Hermann, it must be remembered, was the first author to introduce scientific designations for some of Buffon's new species. Shortly afterwards a Dutch author, C. Boddaert, followed in his steps by publishing the *Table des Planches enluminées*, now well known to ornithologists through the reprint edited by the Willoughby Society. It has been pointed out by C. W. Richmond || that Hermann's book has precedence over Boddaert's, the latter having been issued "in December 1783 or later."

Owing to its scarcity, Hermann's *Tabula Affinitatum Animalium* has been rarely taken into account by ornithologists. The earliest reference I find is that by Selater,¶ when quoting the generic name *Myrmornis* Herm. Several years later Cabanis and Heine ** unearthed Hermann's specific name *discolor*, which stood ever since for a Madagascar Roller of the genus *Leptosomus*; while Richmond called attention to *Tinamus soui* and the generic term *Lybius*. In

* A short biography of Hermann is to be found in R. Lanterborn's edition of L. Baldner's *Vogel-, Fisch- und Thierbuch*, Ludwigshafen, 1903, pp. xxxviii-xxxix.

† *Tabula Affinitatum Animalium* | olim academico specimine edita | nunc | uberiore commentario | illustrata | cum annotationibus | ad historiam naturalem animalium | augendam facientibus | auctore | Johann Hermann—M.D. et Prof. | Argentorati 1783.

‡ The tract "*Tabula Affinitatum Animalium*, Strassburg 1777," mentioned by Engelmann and Carus, is a dissertation by G. Chr. Würtz, one of Hermann's pupils. This paper, consisting of 16 pages in 8vo, contains no new names.

§ By a singular coincidence, Hermann's copy of that work, presented to him by Buffon's joint author, Guenau de Montbeillard, and provided with numerous manuscript notes by his own hand, passed into possession of the library of the Munich Museum, where it has been frequently consulted by me while compiling the present article.

|| *Auk* 17, 1900, p. 179. A little-known memoir in which the author endeavours to determine every bird figured in Daubenton's *Planches enluminées* is due to Heinrich Kuhl (Buffonii et Daubentoniū figurarum Avium coloratarum nomina systematica. Groningen, 1820).

¶ *Proc. Zool. Soc. Lond.* 1853, p. 276.

** *Mus. Hein.* iv. 1862, p. 57 (Anmerkung).

Ridgway's monumental work *The Birds of North and Middle America*, Hermannian names are quoted in the synonymy of various species.

NEW GENERIC NAMES.

FORMICARIIDAE.

Myrmornis Hermann *vs.* **Rhopoterpe** Cabanis.

Myrmornis Hermann, *l.c.* pp. 188, 210, 235, proposed for "Fourmilier" of Buffon, iv. p. 462. Type by tautonymy: "Le Fourmilier proprement dit" of Buffon, iv. p. 473 = *Formicarius torquatus* Bodd. 1783. Replaces *Rhopoterpe* Cabanis 1847. Type by subsequent designation (Cabanis and Heine, 1859), *Formicarius torquatus* Bodd.

CAPITONIDAE.

Lybius Hermann *vs.* **Melanobucco** Shelley.

Lybius Hermann, *l.c.* pp. 217, 235. Type by monotypy, *Lybius guifsobalito* Herm. 1783 (= *Loxia tridactyla* Gmelin, 1789). Replaces *Melanobucco* Shelley, 1889. Type by original designation, *Bucco bidentatus* Shaw, 1798.

SAGITTARIIDAE.

Sagittarius Hermann *vs.* **Serpentarius** Cuvier.

Sagittarius Hermann, *l.c.* pp. 136, 165, 235. Type by original designation: "Sagittarius" Boddaert, *Dierk. Mengelwerk*, vol. v. 1770, p. 17 = *Falco serpentarius* I. F. Miller. Replaces *Gypogeranus* Borkhausen, 1797, and *Serpentarius* Cuvier, 1798.*

NEW SPECIFIC NAMES.

PARADISAEIDAE.

Falcinellus fastosus (Herm.) *vs.* **Falcinellus striatus** (Bodd.).

Promerops fastosus Hermann, *l.c.* pp. 194, 202, based on "Le Grand Promerops à paremens frisés" of Montbeillard, in Buffon, vi. p. 472, has priority over *Upupa striata* Boddaert, 1783.

DICAEIDAE.

Dicaeum australe (Herm.) *vs.* **Dicaeum papuense** (Gm.).

Pipra australis Hermann, *l.c.* p. 223, based on "Le Manikor" of Buffon, iv. p. 431, takes precedence over *Pipra papuensis* Gmelin, 1789.

TANAGRIDAE.

Arremon taciturnus (Herm.) *vs.* **Arremon silens** (Bodd.).

Tanagra taciturna Hermann, *l.c.* p. 214 note, based on "L'Oiseau Silentieux" of Buffon, iv. p. 304, has priority over *Tanagra silens* Boddaert, 1783.

* Cf. C. W. Richmond, *Proc. U.S. Nat. Mus.* 53, 1917, p. 622.

ALAUDIDAE.

Certhilauda curvirostris (Herm.) *vs.* *Certhilauda capensis* (Bodd.) *
et *Certhilauda africana* (Gm.).

Alauda curvirostris Hermann, *l.c.* p. 216, based on "Le Sirli du Cap de Bonne Espérance" of Montbeillard, in Buffon, v. p. 65, antedates *Alauda africana* Gmelin, 1789.

TYRANNIDAE.

Tyrannus curvirostris (Herm.) *vs.* *Tyrannus dominicensis* (Gm.).

Sitta curvirostris Hermann, *l.c.* p. 204, is based on "La Grande Sittelle à bec crochu" of Montbeillard, in Buffon, v. p. 475, where we find Sloane's description of an apparently young bird. The name antedates *Lanius dominicensis* Gmelin, 1788.

FORMICARIIDAE.

Myrmothera † *campanisona* (Herm.) *vs.* *Grallaria brevicauda* (Bodd.).

Myrmornis campanisona Hermann, *l.c.* p. 189 note, based on "Le grand Béfroï" of Buffon, iv. p. 470, antedates *Formicarius brevicauda* Boddaert, 1783.

Leucolepis arada (Herm.) *vs.* *Leucolepis musica* (Bodd.).

Myrmornis Arada Hermann, *l.c.* p. 211 note, based on "L'Arada" of Buffon, iv. p. 480, antedates *Formicarius musicus* Boddaert, 1783.

Myrmotherula brachyura (Herm.) *vs.* *Myrmotherula pygmaea* (Gm.).

Muscicapa brachyura Hermann, *l.c.* p. 229 note, based on "Le petit Gobe-mouche tacheté de Cayenne" of Buffon, iv. p. 554, and *Pl. Enl.* No. 831, fig. 2, antedates *Muscicapa pygmaea* Gmelin, 1789.

COTINGIDAE.

Procnias averano (Herm.) *vs.* *Procnias variegatus* (Gm.) et *Procnias nudicollis* (Vieill.).

Ampelis Averano Hermann, *l.c.* pp. 211, 214, based on "l'Averano" of Montbeillard in Buffon, iv. p. 457 (based in its turn upon Marcgrave's "Guirapunga"), antedates *Ampelis variegata* Gmelin, 1789.‡

* *Alauda capensis* Boddaert, 1783, is preoccupied by *Alauda capensis* Linnaeus 1766 (*Syst. Nat.* xii. p. 268, *Alauda* sp. 8), which has been generally overlooked (for instance, by Reichenow, *Vögel Afrikas*, iii. p. 352).

† *Myrmothera* Vieillot, *Anal. d'une nouv. Ornith. el.* 1816, p. 43: "Esp. Béfroï, et quelques autres fourmilliers de Buffon"; type by monotypy: *Myrmornis campanisona* Herm. The generic name *Myrmothera* is to be found in Vieillot's tract on the same page as *Grallaria*, hitherto used in the same sense, but has precedence by several lines.—C. E. HELLMAYR.

‡ Marcgrave's *Guirapunga*, the sole basis of both *Ampelis averano* Herm. 1783 and *Ampelis variegata* Gmelin (*Syst. Nat.* I. ii. 1789, p. 841), had hitherto been referred to the Black-winged Bell-bird of British Guiana, Trinidad, and Northern Venezuela. Although—as pointed out long ago by Lichtenstein (*Abhandl. Berliner Akad. a. d. Jahren* 1816-17, publ. 1819, p. 163)—Marcgrave (*Hist. Nat. Bras.* p. 201) described a bird in change from juvenile to adult plumage, there can be hardly any doubt as to its having belonged to *Procnias nudicollis* (Vieill.), the only species of Bell-bird occurring in Eastern Brazil. In spite of the fact that Marcgrave's account is in several respects

Procnias alba (Herm.) *vs.* **Procnias nivea** (Bodd.).

Ampelis alba Hermann, *l.c.* p. 213 note, based on "Le Guira Panga ou Cotinga blanc" of Montbeillard, in Buffon, iv. p. 454, antedates *Ampelis nivea* Boddaert, 1783.

CAPITONIDAE.**Lybius guifsobalito** Herm. *vs.* **Melanobucco tridactylus** (Gm.).

Lybius guifsobalito Hermann, *l.c.* p. 217 note, based on "Le Guifso Balito" of Buffon, iii. p. 471, is much earlier than *Loxia tridactyla* Gmelin, 1789.

CORACIIDAE.**Coracias abyssinicus** Herm. *vs.* **Coracias abyssinus** Bodd.

Coracias abyssinica Hermann, *l.c.* p. 197, based on "Le Rollier d'Abyssinie" of Montbeillard, in Buffon, iii. p. 143, antedates *Coracias abyssinus* Boddaert, 1783.

ALCEDINIDAE.**Dacelo novaeguineae** (Herm.) *vs.* **Dacelo gigas** (Bodd.).

Alcedo novae Guineae Hermann, *l.c.* p. 192 note, based on Daubenton's *Pl. Enl.* No. 663, antedates *Alcedo gigas* Boddaert, 1783.

CAPRIMULGIDAE.**Chordeiles acutipennis** (Herm.) *vs.* **Chordeiles acutipennis** (Bodd.).

Caprimulgus acutipennis Hermann, *l.c.* p. 230 note, based on "L'Engoulevant acutipenne de la Guyane" of Montbeillard, in Buffon, vi. p. 547, antedates *Caprimulgus acutipennis* Boddaert, 1783.

MICROPODIDAE (Apodidae).**Chaetura martinica** (Herm.) *vs.* **Chaetura acuta** (Gm.).

Hirundo martinica Hermann, *l.c.* p. 229 note, is based on "L'Hirondelle à queue carée de la Martinique" of Montbeillard, in Buffon, vi. p. 553, who refers to "L'Hirondelle de la Martinique" of Brisson, *Ornith.* ii. p. 499. The name has priority by several years over *Hirundo acuta* Gmelin, 1789.

CUCULIDAE.**Saurothera longirostris** (Herm.) *vs.* **Saurothera dominicensis** Lafr.

Cuculus longirostris Hermann, *l.c.* p. 186, based on the "Tacco" of Montbeillard, in Buffon, vi. p. 402, antedates *Saurothera dominicensis* Lafresnaye, 1847.

incorrect (e.g. he erroneously took the bristle-like feathers on the naked throat for fleshy wattles!), the name *A. averano* cannot well be avoided as being the oldest for the East Brazilian Bell-bird and must be used in place of *P. nudicollis* (Vieill.) 1817, of which *A. variegata* Gmelin becomes likewise a synonym.

P. variegata auct. (nec Gmelin) is entitled to the name *Procnias carnobarba* (Less.), since Lesson (*Traité d'Orn.* livr. 5, end of 1830, p. 365, pl. 52, fig. 1) described and figured s. n. *Averano carnobarba*, an adult male secured by Robin on the island of Trinidad. A little-known synonym thereof is *Procnias lumbriciferus* Gistel (in Gistel and Bromme, *Handb. Naturg. aller drei Reiche, Stuttgart*, 1850, p. 295: "in Wäldern Brasiliens," *errore*!), accompanied by an excellent description of both sexes. Neither of these names is mentioned in the synonymy of *C. variegata* in Volume xiv. of the *Catalogue of Birds in the British Museum*.—C. E. HELLMAYR.

OTIDIDAE.

Houbaropsis indica (Herm.) *vs.* **Houbaropsis bengalensis** (Gm.).

Otis Indica Hermann, *l.c.* p. 138, based on "Le Churge ou l'Outarde moyenne des Indes" of Buffon, ii. p. 56, antedates *Otis bengalensis* Gmelin, 1789.*

SYNONYMS OF HERMANN.

Gracula Martinus Hermann, *l.c.* p. 195 note, ex Buff. iii. p. 423, "le Martin" = **Acridotheres tristis** (L. 1766).

Paradisaea sexfilis Hermann, *l.c.* p. 166, ex Buff. iii. p. 171, "Le Sifilet ou Manucode à six filets" = **Parotia sefilata** (Penn. 1781).

Lanius Gonolek Hermann, *l.c.* pp. 179-180, ex Buff. i. p. 314. "Le Gonolek" = **Laniarius barbarus** (L. 1766).

Oriolus albigriatus Hermann, *l.c.* p. 204 note, ex Buff. iii. p. 197, "L'Etourneau des terres Magellaniques ou le Blanche-Raie" = **Trupialis militaris** (L. 1771).

Oriolus striatus Hermann, *l.c.* p. 204 note, ex Buff. iii. p. 265, "Le Lorient rayé" (based in its turn upon Brisson, ii. p. 332, "Le Lorient à teste rayée") is indeterminable. It invalidates the later *Oriolus striatus* Quoy and Gaim. 1830, which has to bear the name **Oriolus granti** (Mathews) (*Ibis*, 1916, p. 297).

Loxia fusca Hermann, *l.c.* p. 221 note, ex Buff. iv. p. 388, "Le Bouveron" = **Sporophila lineola** (L. 1758).

Loxia flabellicauda Hermann, *l.c.* p. 186, ex Buff. iii. p. 463, "La Queue en Eventail" = **Guiraca caerulea** (L. 1758).

Fringilla ministra Hermann, *l.c.* p. 220 note, ex Buff. iv. p. 86, "Le Ministre" = **Cyanospiza cyanea** (L. 1766).

Loxia scandens Hermann, *l.c.* p. 216, ex Buff. iv. p. 398, "L'Hambouvreux" = **Passer montanus** (L. 1758).

Pipra longicauda Hermann, ex Buff. iv. p. 429, "Le Plumet blanc" = **Pithys albifrons** (L. 1766).

Tanagra Misisippica Hermann, *l.c.* p. 214 note, ex Buff. iv. p. 252, "Le Tangara du Mississipi" = **Piranga rubra** (L. 1758).

Tanagra mancipium Hermann, *l.c.* p. 211 note, ex Buff. iv. p. 263, "L'Esclave" = **Dulus dominicus** (L. 1766).

Larus maximus Hermann, *l.c.* p. 146 note, description of a Herring-Gull, captured in the neighbourhood of Strassburg in September 1772 = **Larus argentatus** Pont. 1763.

Emberiza Mytilene Hermann, *l.c.* p. 222 note, ex Buff. iv. p. 322, "Le Mitileue de Provence" = **Emberiza rustica** Pall. 1776.

Motacilla pyrenaica Hermann, *l.c.* p. 226, based on the "Pégot," excellently described by de Lapeirouse in Rozier's *Observations sur la Physique*, xiii. 1779, pp. 422-4 = **Prunella collaris collaris** (Scopoli, 1769) ex *Pyrenaicis montibus*.

Psittacus Arimanon Hermann, *l.c.* p. 182, based on the "Arimanon" of Buffon, vi. p. 175 = **Coriphilus peruvianus** P. L. S. Müller, 1776.

* *Otis indica* Herm. 1783 precludes the further usage of *Otis indica* Gmelin, 1789 (*Syst. Nat.* I. ii. p. 725), for which the next available name is *Otis aurita* Latham (*Ind. Orn.* ii. 1790, p. 660). The species has therefore to stand as *Sypheotis aurita* (Lath.) in place of *S. indica* (Gm.).

Anas melanocephala Hermann, *l.c.* p. 161 note, description of a specimen which had been ascertained by dissection to be a male, captured in January 1774 (near Strassburg ?) = *Bucephala clangula* (L. 1758), description of a male in juvenile plumage.

Anas Leucotis Hermann, *l.c.* p. 161 note, description of a specimen actually examined by the author = *Nyroca marila* (L. 1761), description of the female.

Alcatras Hermann, *l.c.* pp. 155, 235, is based on the "Alcatraz" in Rozier's *Observations sur la Physique*, xiv. 1779, p. 475. The description of that bird, "translated from the Italian," appears to have issued from the pen of G. T. Molina. This author gives Alcatraz as the Spanish name of *Pelecanus Thagus* Molina.* *Alcatras* Hermann, 1783, becomes, therefore, a synonym of *Pelecanus* Linnaeus, 1758; its type is *Pelecanus thagus* Mol.

* Cf. Molina, *Saggio sulla storia naturale del Chili*, 1782, p. 240.
